National Curriculum coverage for stages 1-6

2014 requirements	Stage 1 (S1) Attainment targets	Abacus Stage 1 Autumn	Abacus Stage 1 Spring	Abacus Stage 1 Summer	Abacus Stage 2
Number and Place Value	• S1.NPV.1 count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number	Week 1 Week 5	Week 11 Week 13 Week 19		
Number and Place Value	• S1.NPV.2 count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	Week 1 Week 5 Week 6	Week 11 Week 16	Week 25 Week 26 Week 27	
Number and Place Value	• S1.NPV.3 given a number, identify one more and one less	Week 1 Week 3 Week 5	Week 11 Week 20	Week 21 Week 30	Week 5
Number and Place Value	• S1.NPV.4 identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	Week 1 Week 5 Week 6 Week 10	Week 11 Week 20	Week 26 Week 30	
Number and Place Value	• S1.NPV.5 read and write numbers from 1 to 20 in numerals and words	Week 1 Week 5			
Number Addition and Subtraction	• S1.NAS.1 read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs	Week 2 Week 3 Week 7 Week 9	Week 12 Week 17 Week 19		
Number Addition and Subtraction	• S1.NAS.2 represent and use number bonds and related subtraction facts within 20	Week 2 Week 3 Week 7 Week 9	Week 12 Week 17	Week 22 Week 27 Week 29	
Number Addition and Subtraction	• S1.NAS.3 add and subtract one-digit and two-digit numbers to 20, including zero	Week 3 Week 9	Week 13 Week 19	Week 22	
Number Addition and Subtraction	• S1.NAS.4 solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ – 9	Week 2 Week 7	Week 12 Week 17		
Number Multiplication and Division	• S1.NMD.1 solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		Week 16 Week 17	Week 25 Week 28	
Number Fractions	• S1.NF.1 recognise, find and name a half as one of two equal parts of an object, shape or quantity		Week 16	Week 25 Week 27	
Number Fractions	• S1.NF.2 recognise, find and name a quarter as one of four equal parts of an object, shape or quantity		Week 16		

Measurement	• S1.M.1 compare, describe and solve practical problems for:
	  • lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]
	  • mass/weight [for example, heavy/light, heavier than, lighter than]
	  • capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
	  • time [for example, quicker, slower, earlier, later
		Week 8	Week 18	Week 24	

Measurement	• S1.M.2 measure and begin to record the following:
	  • lengths and heights
	  • mass/weight
	  • capacity and volume
	  • time (hours, minutes, seconds)
		Week 8	Week 18	Week 24
				Week 28
					Week 24

Measurement	• S1.M.3 recognise and know the value of different denominations of coins and notes	Week 10		Week 25	Week 20
Measurement	• S1.M.4 sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]		Week 14 Week 18		
Measurement	• S1.M.5 recognise and use language relating to dates, including days of the week, weeks, months and years		Week 14 Week 18	Week 28	
Measurement	• S1.M.6 tell the time to the hour and half past the hour and draw the hands on a clock face to show these times		Week 18	Week 28	

Geometry Properties of Shapes	• S1.GPS.1 recognise and name common 2-D and 3-D shapes, including:
	  • 2-D shapes [for example, rectangles (including squares), circles and triangles]
	  • 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]
		Week 4	Week 14	Week 28	

Geometry – Position and Direction	• S1.GPD.1 describe position, direction and movement, including whole, half, quarter and three-quarter turns	Week 8			

2014 requirements	Stage 2 (S2) Attainment targets	Abacus Stage 1	Abacus Stage 2 Autumn	Abacus Stage 2 Spring	Abacus Stage 2 Summer	Abacus Stage 3
Number and Place Value	• S2.NPV.1 count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward		Week 6 Week 10	Week 15 Week 17	Week 27	
Number and Place Value	• S2.NPV.2 recognise the place value of each digit in a two-digit number (tens, ones)	Week 21 Week 26 Week 30	Week 6	Week 11		
Number and Place Value	• S2.NPV.3 identify, represent and estimate numbers using different representations, including the number line		Week 1 Week 5 Week 6	Week 11 Week 15	Week 21	
Number and Place Value	• S2.NPV.4 compare and order numbers from 0 up to 100; use <, >and = signs	Week 26	Week1 Week 5 Week 6	Week 12 Week 15	Week 21 Week 30	
Number and Place Value	• S2.NPV.5 read and write numbers to at least 100 in numerals and in words		Week 1 Week 5			
Number and Place Value	• S2.NPV.6 use place value and number facts to solve problems		Week 2 Week 3 Week 6	Week 11	Week 22	

Number – Addition and Subtraction	• S2.NAS.1 solve problems with addition and subtraction:
	  • using concrete objects and pictorial representations, including those involving numbers, quantities and measures
	  • applying their increasing knowledge of mental and written methods
			Week 9		Week 22
					Week 26	

Number – Addition and Subtraction	• S2.NAS.2 recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100		Week 2 Week 3 Week 9	Week 12 Week 16	Week 22 Week 30	

Number – Addition and Subtraction	• S2.NAS.3 add and subtract numbers using concrete objects, pictorial representations, and mentally, including:
	  • a two-digit number and ones
	  • a two-digit number and tens
	  • two two-digit numbers
	  • adding three one-digit numbers
		Week 13
		Week 19
		Week 20
		Week 22
		Week 23
		Week 29
		Week 30
			Week 3
			Week 5
			Week 6
			Week 7
			Week 9
				Week 11
				Week 12
				Week 13
					Week 21
					Week 22
					Week 23
					Week 25
					Week 26
					Week 29
					Week 30	

Number – Addition and Subtraction	• S2.NAS.4 show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot		Week 2 Week 7 Week 9			
Number – Addition and Subtraction	• S2.NAS.5 recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.		Week 2 Week 3	Week 12 Week 13	Week 22 Week 26	
Number – Multiplication and Division	• S2.NMD.1 recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers	Week 27	Week 10	Week 16 Week 17 Week 19	Week 27	Week 3
Number – Multiplication and Division	• S2.NMD.2 calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs			Week 17 Week 19	Week 27 Week 29	
Number – Multiplication and Division	• S2.NMD.3 show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot			Week 17 Week 19	Week 27	
Number – Multiplication and Division	• S2.NMD.4 solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts		Week 10	Week 17 Week 19	Week 27 Week 29	
Number - Fractions	• S2.NF.1 recognise, find, name and write fractions ⅓, ¼, 2/4 and ¾ of a length, shape, set of objects or quantity			Week 16	Week 25	
Number - Fractions	• S2.NF.2 write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and ½			Week 16	Week 25	
Measurement	• S2.M.1 choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels		Week 8		Week 24 Week 28 Week 30	
Measurement	• S2.M.2 compare and order lengths, mass, volume/capacity and record the results using >, <and =		Week 8		Week 24 Week 28	
Measurement	• S2.M.3 recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value		Week 10	Week 20	Week 26	
Measurement	• S2.M.4 find different combinations of coins that equal the same amounts of money		Week 10			
Measurement	• S2.M.5 solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	Week 29		Week 13 Week 20		
Measurement	• S2.M.6 compare and sequence intervals of time			Week 18	Week 28	
Measurement	• S2.M.7 tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times	Week 28		Week 14 Week 18	Week 28	
Measurement	• S2.M.8 know the number of minutes in an hour and the number of hours in a day			Week 18		
Geometry – Properties of Shapes	• S2.GPS.1 identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line	Week 4	Week 4			
Geometry – Properties of Shapes	• S2.GPS.2 identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces			Week 14		
Geometry – Properties of Shapes	• S2.GPS.3 identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]			Week 14		
Geometry – Properties of Shapes	• S2.GPS.4 compare and sort common 2-D and 3-D shapes and everyday objects	Week 4 Week14	Week 4			
Geometry – Position and Direction	• S2.GPD.1 order and arrange combinations of mathematical objects in patterns and sequences	Week 28		Week 14		
Geometry – Position and Direction	• S2.GPD.2 use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)	Week 28		Week 14		
Statistics	• S2.S.1 interpret and construct simple pictograms, tally charts, block diagrams and simple tables			Week 18	Week 24	
Statistics	• S2.S.2 ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity	Week 4		Week 18		
Statistics	• S2.S.3 ask and answer questions about totalling and comparing categorical data			Week 18	Week 24	

2014 requirements	Stage 3 (S3) Attainment targets	Abacus Stage 2	Abacus Stage 3 Autumn	Abacus Stage 3 Spring	Abacus Stage 3 Summer	Abacus Stage 4
Number and Place value	• S3.NPV.1 count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	Week 21	Week 3	Week 11 Week 12		
Number and Place value	• S3.NPV.2 recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	Week 21 Week 30	Week 2	Week 11 Week 16		
Number and Place value	• S3.NPV.3 compare and order numbers up to 1000		Week 2 Week 5 Week 9	Week 11 Week 19		
Number and Place value	• S3.NPV.4 identify, represent and estimate numbers using different representations			Week 11		
Number and Place value	• S3.NPV.5 read and write numbers up to 1000 in numerals and in words			Week 16		
Number and Place value	• S3.NPV.6 solve number problems and practical problems involving these ideas			Week 11		

Number – Addition and Subtraction	• S3.NAS.1 add and subtract numbers mentally, including:
	  • a three-digit number and ones
	  • a three-digit number and tens
	  • a three-digit number and hundreds
			Week 1
			Week 2
			Week 5
			Week 7
			Week 9
			Week 10
				Week 11
				Week 12
				Week 15
				Week 17
				Week 19
					Week 21
					Week 25
					Week 26
					Week 27
					Week 30	

Number – Addition and Subtraction	• S3.NAS.2 add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction			Week 16 Week 17	Week 25 Week 26 Week 27 Week 30	Week 9
Number – Addition and Subtraction	• S3.NAS.3 estimate the answer to a calculation and use inverse operations to check answers				Week 25 Week 26	
Number – Addition and Subtraction	• S3.NAS.4 solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction		Week 1 Week 2 Week 5 Week 7 Week 9 Week 10	Week 11 Week 17 Week 19	Week 21 Week 25 Week 26 Week 27 Week 30	Week 1
Number – Multiplication and Division	• S3.NMD.1 recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Week 27	Week 3 Week 10	Week 12	Week 22	
Number – Multiplication and Division	• S3.NMD.2 write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods		Week 3 Week 6 Week 10	Week 12 Week 20	Week 22 Week 23 Week 29 Week 30	
Number – Multiplication and Division	• S3.NMD.3 solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects		Week 3 Week 6 Week 10	Week 20	Week 22 Week 23 Week 29	
Number - Fractions	• S3.NF.1 count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10			Week 13	Week 29	Week 7 Week 16
Number - Fractions	• S3.NF.2 recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators		Week 6	Week 13		
Number - Fractions	• S3.NF.3 recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	Week 16	Week 6	Week 13		
Number - Fractions	• S3.NF.4 recognise and show, using diagrams, equivalent fractions with small denominators			Week 13	Week 21 Week 29	
Number - Fractions	• S3.NF.5 add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]			Week 13	Week 21	
Number - Fractions	• S3.NF.6 compare and order unit fractions, and fractions with the same denominators		Week 6		Week 21	Week 6
Number - Fractions	• S3.NF.7 solve problems that involve all of the above			Week 13		
Measurement	• S3.M.1 measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)		Week 8		Week 24 Week 27	Week 4 Week 14
Measurement	• S3.M.2 measure the perimeter of simple 2-D shapes			Week 14	Week 28	
Measurement	• S3.M.3 add and subtract amounts of money to give change, using both £ and p in practical contexts		Week 7	Week 15	Week 30	
Measurement	• S3.M.4 tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks		Week 4	Week 18	Week 28	
Measurement	• S3.M.5 estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight			Week 18	Week 28	
Measurement	• S3.M.6 know the number of seconds in a minute and the number of days in each month, year and leap year		Week 4	Week 18		
Measurement	• S3.M.7 compare durations of events [for example to calculate the time taken by particular events or tasks]		Week 4	Week 18	Week 28	Week 4
Geometry – Properties of Shapes	• S3.GPS.1 draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them		Week 4	Week 14		
Geometry – Properties of Shapes	• S3.GPS.2 recognise angles as a property of shape or a description of a turn			Week 14	Week 28	
Geometry – Properties of Shapes	• S3.GPS.3 identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle			Week 14		
Geometry – Properties of Shapes	• S3.GPS.4 identify horizontal and vertical lines and pairs of perpendicular and parallel lines				Week 28	Week 14
Statistics	• S3.S.1 interpret and present data using bar charts, pictograms and tables				Week 24	
Statistics	• Y3.S.2 solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables				Week 24	

2014 requirements	Stage 4 (S4) Attainment targets	Abacus Stage 3	Abacus Stage 4 Autumn	Abacus Stage 4 Spring	Abacus Stage 4 Summer	Abacus Stage 5
Number and Place Value	• S4.NPV.1 count in multiples of 6, 7, 9, 25 and 1000			Week 11		
Number and Place Value	• S4.NPV.2 find 1000 more or less than a given number			Week 11		
Number and Place Value	• S4.NPV.3 count backwards through zero to include negative numbers				Week 21	
Number and Place Value	• S4.NPV.4 recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)		Week 2	Week 19	Week 21	
Number and Place Value	• S4.NPV.5 order and compare numbers beyond 1000		Week 2		Week 21	
Number and Place Value	• S4.NPV.6 identify, represent and estimate numbers using different representations	Week 5 Week 9 Week 11 Week 15	Week 2	Week 11		
Number and Place Value	• S4.NPV.7 round any number to the nearest 10, 100 or 1000	Week 5 Week 15	Week 9	Week 11	Week 23 Week 29	
Number and Place Value	• S4.NPV.8 solve number and practical problems that involve all of the above and with increasingly large positive numbers			Week 11	Week 26	
Number and Place Value	• S4.NPV.9 read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value				Week 24	
Number – Addition and Subtraction	• S4.NAS.1 add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate		Week 1 Week 2 Week 5 Week 7 Week 9	Week 11 Week 12 Week 15 Week 16 Week 17 Week 19	Week 27	Week 5 Week 10 Week 12 Week 20
Number – Addition and Subtraction	• S4.NAS.2 estimate and use inverse operations to check answers to a calculation		Week 9	Week 15 Week 20	Week 27 Week 30	Week 5 Week 10 Week 27
Number – Addition and Subtraction	• S4.NAS.3 solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why		Week 9	Week 15 Week 20	Week 27 Week 30	Week 5 Week 10 Week 27
Number – Multiplication and Division	• S4.NMD.1 recall multiplication and division facts for multiplication tables up to 12 × 12		Week 3	Week 12	Week 23	
Number – Multiplication and Division	• S4.NMD.2 use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers		Week 3 Week 6 Week 10	Week 13 Week 15 Week 20	Week 23 Week 26 Week 30	Week 7
Number – Multiplication and Division	• S4.NMD.3 recognise and use factor pairs and commutativity in mental calculations			Week 12 Week 15	Week 26	
Number – Multiplication and Division	• S4.NMD.4 multiply two-digit and three-digit numbers by a one-digit number using formal written layout		Week 3 Week 10	Week 12 Week 20	Week 23 Week 29	
Number – Multiplication and Division	• S4.NMD.5 solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects		Week 6 Week 10	Week 12 Week 20	Week 23	
Number – Fractions (including decimals)	• S4.NF.1 recognise and show, using diagrams, families of common equivalent fractions		Week 6	Week 13	Week 25	
Number – Fractions (including decimals)	• S4.NF.2 count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten				Week 22 Week 25	
Number – Fractions (including decimals)	• S4.NF.3 solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number		Week 3 Week 6	Week 13	Week 26 Week 29 Week 30	
Number – Fractions (including decimals)	• S4.NF.4 add and subtract fractions with the same denominator				Week 29	
Number – Fractions (including decimals)	• S4.NF.5 recognise and write decimal equivalents of any number of tenths or hundredths		Week 7		Week 22 Week 25	Week 3 Week 11
Number – Fractions (including decimals)	• S4.NF.6 recognise and write decimal equivalents to ¼, ½, ¾				Week 25	
Number – Fractions (including decimals)	• S4.NF.7 find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredth				Week 22 Week 29	
Number – Fractions (including decimals)	• S4.NF.8 round decimals with one decimal place to the nearest whole number			Week 16	Week 22	
Number – Fractions (including decimals)	• S4.NF.9 compare numbers with the same number of decimal places up to two decimal places				Week 22 Week 25	Week 9 Week 23
Number – Fractions (including decimals)	• S4.NF.10 solve simple measure and money problems involving fractions and decimals to two decimal places				Week 23 Week 25 Week 27	Week 15
Measurement	• S4.M.1 Convert between different units of measure [for example, kilometre to metre; hour to minute]		Week 8			
Measurement	• S4.M.2 measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres			Week 18	Week 24	Week 4 Week 28
Measurement	• S4.M.3 find the area of rectilinear shapes by counting squares				Week 24	
Measurement	• S4.M.4 estimate, compare and calculate different measures, including money in pounds and pence		Week 8	Week 12 Week 15 Week 16 Week 17	Week 25	
Measurement	• S4.M.5 read, write and convert time between analogue and digital 12- and 24-hour clocks		Week 4	Week 18		Week 4 Week 30
Measurement	• S4.M.6 solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	Week 25				
Geometry – Properties of Shapes	• S4.GPS.1 compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes			Week 14	Week 24	Week 14 Week 18
Geometry – Properties of Shapes	• S4.GPS.2 identify acute and obtuse angles and compare and order angles up to two right angles by size			Week 14		
Geometry – Properties of Shapes	• S4.GPS.3 identify lines of symmetry in 2-D shapes presented in different orientations			Week 14		

2014 requirements	Stage 4 (S4)	Abacus	Abacus Stage 4	Abacus Stage 4	Abacus Stage 4	Abacus
Geometry – Properties of Shapes	• S4.GPS.4 complete a simple symmetric figure with respect to a specific line of symmetry			Week 14		
Geometry – Position and Direction	• S4.GPD.1 describe positions on a 2-D grid as coordinates in the first quadrant				Week 28	Week 24
Geometry – Position and Direction	• S4.GPD.2 describe movements between positions as translations of a given unit to the left/right and up/down				Week 28	
Geometry – Position and Direction	• S4.GPD.3 plot specified points and draw sides to complete a given polygon				Week 28	Week 24
Statistics	• S4.S.1 interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs		Week 8		Week 28	
Statistics	• S4.S.2 solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs		Week 8		Week 28	

2014 requirements	Stage 5 (S5) Attainment targets	Abacus Stage 4	Abacus Stage 5 Autumn	Abacus Stage 5 Spring	Abacus Stage 5 Summer	Abacus Stage 6
Number and Place Value	• S5.NPV.1 read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit	Week 21	Week 1 Week 9	Week 11		
Number and Place Value	• S5.NPV.2 count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000		Week 1			
Number and Place Value	• S5.NPV.3 interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	Week 21			Week 23	
Number and Place Value	• S5.NPV.4 round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000				Week 23	
Number and Place Value	• S5.NPV.5 solve number problems and practical problems that involve all of the above		Week 2			
Number and Place Value	• S5.NPV.6 read Roman numerals to 1000 (M) and recognise years written in Roman numerals				Week 29	
Number – Addition and Subtraction	• S5.NAS.1 add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)		Week 1			
Number – Addition and Subtraction	• S5.NAS.2 add and subtract numbers mentally with increasingly large numbers	Week 26	Week 2 Week 5 Week 10	Week 12	Week 21	
Number – Addition and Subtraction	• S5.NAS.3 use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy		Week 7	Week 16 Week 17	Week 21 Week 22	
Number – Addition and Subtraction	• S5.NAS.4 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.			Week 12	Week 21	
Number – Multiplication and Division	• S5.NMD.1 identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers		Week 6		Week 26 Week 30	
Number – Multiplication and Division	• S5.NMD.2 know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers			Week 13		
Number – Multiplication and Division	• S5.NMD.3 establish whether a number up to 100 is prime and recall prime numbers up to 19			Week 13		
Number – Multiplication and Division	• S5.NMD.4 multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers	Week 30	Week 7 Week 10	Week 16 Week 17	Week 22 Week 27	
Number – Multiplication and Division	• S5.NMD.5 multiply and divide numbers mentally drawing upon known facts		Week 3 Week 6 Week 7 Week 10	Week 13		
Number – Multiplication and Division	• S5.NMD.6 divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context		Week 7 Week 10	Week 16	Week 27	
Number – Multiplication and Division	• S5.NMD.7 multiply and divide whole numbers and those involving decimals by 10, 100 and 1000		Week 3	Week 11	Week 23	
Number – Multiplication and Division	• S5.NMD.8 recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3})			Week 13	Week 30	
Number – Multiplication and Division	• S5.NMD.9 solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes		Week 7	Week 13		
Number – Multiplication and Division	• S5.NMD.10 solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign				Week 25	
Number – Multiplication and Division	• S5.NMD.11 solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates				Week 30	
Number – Fractions (including Decimals and Percentages)	• S5.NF.1 compare and order fractions whose denominators are all multiples of the same number	Week 13	Week 6			
Number – Fractions (including Decimals and Percentages)	• S5.NF.2 identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths		Week 6		Week 26	
Number – Fractions (including Decimals and Percentages)	• S5.NF.3 recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example, ⅖ + ⅘ = 6/5 = 11/5]	Week 29		Week 19	Week 22 Week 26	
Number – Fractions (including Decimals and Percentages)	• S5.NF.4 add and subtract fractions with the same denominator and denominators that are multiples of the same number	Week 25			Week 26	
Number – Fractions (including Decimals and Percentages)	• S5.NF.5 multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams			Week 19	Week 22 Week 26	
Number – Fractions (including Decimals and Percentages)	• S5.NF.6 read and write decimal numbers as fractions [for example, 0.71 = $^{71}/_{100}$]		Week 9	Week 11	Week 23	
Number – Fractions (including Decimals and Percentages)	• S5.NF.7 recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents				Week 23	
Number – Fractions (including Decimals and Percentages)	• S5.NF.8 round decimals with two decimal places to the nearest whole number and to one decimal place		Week 9	Week 11	Week 23	
Number – Fractions (including Decimals and Percentages)	• S5.NF.9 solve problems involving number up to three decimal places			Week 12	Week 23	
Number – Fractions (including Decimals and	• S5.NF.10 recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per hundred’, and write percentages as a fraction with denominator 100, and as a decimal				Week 29	

2014 requirements	Stage 5 (S5)	Abacus	Abacus Stage 5	Abacus Stage 5	Abacus Stage 5	Abacus
Percentages)						
Number – Fractions (including Decimals and Percentages)	• S5.NF.11 solve problems which require knowing percentage and decimal equivalents of ½, ¼, ⅕, ⅖, ⅘ and those fractions with a denominator of a multiple of 10 or 25				Week 29	
Measurement	• S5.M.1 convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	Week 18	Week 4	Week 14		
Measurement	• S5.M.2 understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints	Week 18		Week 14 Week 18		
Measurement	• S5.M.3 measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres		Week 4		Week 28	
Measurement	• S5.M.4 calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes	Week 24			Week 28	
Measurement	• S5.M.5 estimate volume [for example, using 1 cm^3 blocks to build cuboids (including cubes)] and capacity [for example, using water]				Week 28	
Measurement	• S5.M.6 solve problems involving converting between units of time		Week 4		Week 30	
Measurement	• S5.M.7 use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling			Week 20	Week 21	
Geometry – Properties of Shapes	• S5.GPS.1 identify 3-D shapes, including cubes and other cuboids, from 2-D representations				Week 24	
Geometry – Properties of Shapes	• S5.GPS.2 know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles		Week 8			
Geometry – Properties of Shapes	• S5.GPS.3 draw given angles, and measure them in degrees (^{o})		Week 8	Week 14		

Geometry – Properties of Shapes	• S5.GPS.6 identify:
	  • angles at a point and one whole turn (total 360^o)
	  • angles at a point on a straight line and ½ a turn (total 180^o)
	  • other multiples of 90^o
			Week 8			

Geometry – Properties of Shapes	• S5.GPS.7 use the properties of rectangles to deduce related facts and find missing lengths and angles				Week 24	
Geometry – Properties of Shapes	• S5.GPS.8 distinguish between regular and irregular polygons based on reasoning about equal sides and angles			Week 18		
Geometry – Position and Direction	• S5.GPD.1 identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed				Week 24	
Statistics	• S5.S.1 solve comparison, sum and difference problems using information presented in a line graph			Week 14	Week 30	
Statistics	• S5.S.2 complete, read and interpret information in tables, including timetables				Week 30	

2014 requirements	Stage 6 (S6)	Abacus Stage 5	Abacus Stage 6 Autumn	Abacus Stage 6 Spring	Abacus Stage 6 Summer
	Attainment targets				
Number and Place Value	• S6.NPV.1 read, write, order and compare numbers up to 10 000 000 and determine the value of each digit			Week 12	Week 23
Number and Place Value	• S6.NPV.2 round any whole number to a required degree of accuracy			Week 12	
Number and Place Value	• S6.NPV.3 use negative numbers in context, and calculate intervals across zero		Week 7		Week 23
Number and Place Value	• S6.NPV.4 solve number and practical problems that involve all of the above		Week 7		
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD.1 multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication		Week 6	Week 14	Week 21 Week 25 Week 29
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD.2 divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context			Week 17	Week 21 Week 26
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD.3 divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context				Week 21
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD.4 perform mental calculations, including with mixed operations and large numbers		Week 3 Week 5 Week 6 Week 9	Week 16 Week 18	Week 24 Week 25 Week 29
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD.5 identify common factors, common multiples and prime numbers			Week 17	Week 25
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD.6 use their knowledge of the order of operations to carry out calculations involving the four operations		Week 3		Week 24
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD.7 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why		Week 3	Week 18	Week 29
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD.8 solve problems involving addition, subtraction, multiplication and division		Week 5 Week 6	Week 18	Week 24 Week 25 Week 29
Number – Addition, Subtraction, Multiplication and Division	• S6.ASMD. 9 use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy		Week 6		
Number – Fractions (including decimals and percentages)	• S6.NF.1 use common factors to simplify fractions; use common multiples to express fractions in the same denomination	Week 6 Week 9 Week 26	Week 9		Week 27
Number – Fractions (including decimals and percentages)	• S6.NF.2 compare and order fractions, including fractions >1		Week 7		
Number – Fractions (including decimals and percentages)	• S6.NF.3 add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		Week 10	Week 11	Week 27
Number – Fractions (including decimals and percentages)	• S6.NF.4 multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, ¼ x ½ = ⅛]			Week 13	Week 27
Number – Fractions (including decimals and percentages)	• S6.NF.5 divide proper fractions by whole numbers [for example, ⅓ ÷ 2 = ⅙]			Week 11	Week 27
Number – Fractions (including decimals and percentages)	• S6.NF.6 associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, ⅜]			Week 13	
Number – Fractions (including decimals and percentages)	• S6.NF. 7 identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places		Week 1	Week 13	Week 23
Number – Fractions (including decimals and percentages)	• S6.NF.8 multiply one-digit numbers with up to two decimal places by whole numbers		Week 6	Week 14	Week 21 Week 25
Number – Fractions (including decimals and percentages)	• S6.NF.9 use written division methods in cases where the answer has up to two decimal places				Week 26
Number – Fractions (including decimals and percentages)	• S6.NF.10 solve problems which require answers to be rounded to specified degrees of accuracy		Week 1	Week 12	
Number – Fractions (including decimals and percentages)	• S6.NF.11 recall and use equivalences between simple fractions, decimals and percentages, including in different contexts		Week 10		
Ratio and Proportion	• S6.RP.1 solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts				Week 22 Week 27
Ratio and	• S6.RP.2 solve problems involving the calculation of percentages [for		Week 10		Week 24

2014 requirements	Stage 6 (S6)	Abacus Stage 5	Abacus Stage 6 Autumn	Abacus Stage 6 Spring	Abacus Stage 6 Summer
	Attainment targets				
Proportion	example, of measures, and such as 15% of 360] and the use of percentages for comparison				
Ratio and Proportion	• S6.RP.3 solve problems involving similar shapes where the scale factor is known or can be found				Week 22 Week 27
Ratio and Proportion	• S6.RP.4 solve problems involving unequal sharing and grouping using knowledge of fractions and multiples				Week 22
Algebra	• S6.A.1 use simple formulae				Week 22 Week 30
Algebra	• S6.A.2 generate and describe linear number sequences				Week 22 Week 30
Algebra	• S6.A.3 express missing number problems algebraically		Week 3		Week 24
Algebra	• S6.A.4 find pairs of numbers that satisfy an equation with two unknowns		Week 3		Week 24
Algebra	• S6.A.5 enumerate possibilities of combinations of two variables.		Week 3		
Measurement	• S6.M.1 solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate			Week 14 Week 18	Week 21 Week 25 Week 26 Week 28
Measurement	• S6.M.2 use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places		Week 4		Week 27
Measurement	• S6.M.3 convert between miles and kilometres		Week 4		
Measurement	• S6.M.4 recognise that shapes with the same areas can have different perimeters and vice versa		Week 8		
Measurement	• S6.M.5 recognise when it is possible to use formulae for area and volume of shapes		Week 8		Week 28
Measurement	• S6.M.6 calculate the area of parallelograms and triangles		Week 8		Week 28
Measurement	• S6.M.7 calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units [for example, mm^3 and km^3].		Week 8		Week 28
Geometry – Properties of Shapes	• S6.GPS.1 draw 2-D shapes using given dimensions and angles			Week 15	Week 20 Week 28
Geometry – Properties of Shapes	• S6.GPS.2 recognise, describe and build simple 3-D shapes, including making nets	Week 24	Week 8		
Geometry – Properties of Shapes	• S6.GPS.3 compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons		Week 3	Week 15 Week 20	Week 28 Week 29
Geometry – Properties of Shapes	• S6.GPS.4 illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius	Week 8		Week 15	Week 28
Geometry – Properties of Shapes	• S6.GPS.5 recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles	Week 8 Week 14		Week 20	Week 24 Week 28
Geometry – Position and Direction	• S6.GPD.1 describe positions on the full coordinate grid (all four quadrants)			Week 20	Week 26
Geometry – Position and Direction	• S6.GPD.2 draw and translate simple shapes on the coordinate plane, and reflect them in the axes			Week 20	
Statistics	• S6.S.1 interpret and construct pie charts and line graphs and use these to solve problems			Week 19	Week 28
Statistics	• S6.S.2 calculate and interpret the mean as an average			Week 19	Week 26